

Maryland Historical Trust

Maryland Inventory of Historic Properties number:

Name: _____

The bridge referenced herein was inventoried by the Maryland State Highway Administration as part of the Historic Bridge Inventory, and SHA provided the Trust with eligibility determinations in February 2001. The Trust accepted the Historic Bridge Inventory on April 3, 2001. The bridge received the following determination of eligibility.

MARYLAND HISTORICAL TRUST

Eligibility Recommended X

Eligibility Not Recommended _____

Criteria: A B ~~C~~ D Considerations: A B C D E F G None

Comments: _____

Reviewer, OPS: Anne E. Bruder

Date: 3 April 2001

Reviewer, NR Program: Peter E. Kurtze

Date: 3 April 2001

Ans

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Maryland Inventory of Historic Properties
Historic Bridge Inventory
Maryland State Highway Administration
Maryland Historical Trust

MHT Number M:12-49

Name and SHA No. M 46 over Little Monocacy River

Location:

Street/Road Name and Number: West Harris Road over Little Monocacy River

City/Town: Barnesville Vicinity X

County: Montgomery

Ownership: State XCounty Municipal Other

This bridge projects over: Road Railway XWater Land

Is the bridge located within a designated district: yes Xno

 NR listed district NR determined eligible district

 locally designated other

Name of District _____

Bridge Type:

 Timber Bridge

 Beam Bridge Truss-Covered Trestle

 Timber-and-Concrete

 Stone Arch

 Metal Truss

 Movable Bridge

 Swing Bascule Single Leaf Bascule Multiple Leaf

 Vertical Lift Retractable Pontoon

X Metal Girder

X Rolled Girder Rolled Girder Concrete Encased

 Plate Girder Plate Girder Concrete Encased

 Metal Suspension

 Metal Arch

☐ Metal Cantilever

☐ Concrete

☐ Concrete Arch ☐ Concrete Slab ☐ Concrete Beam

☐ Rigid Frame

☐ Other Type Name _____

Description:

Describe Setting:

Bridge No. M 46 carries West Harris Road north-south over the Little Monocacy River in Montgomery County, Maryland. The bridge approaches are straight and level. There W-beam guardrails on the approaches. The area around the bridge is rural and wooded.

Describe Superstructure and Substructure:

Bridge No. M 46, built in 1925, is a 27' long single span structure carrying West harris Road over Little Monocacy River. The structure has a clear roadway width of 20'-5" and is posted with a wight limit of 7 tons. The superstructure consists of an asphalt wearing surface over a concrete deck supported by steel stringers. The substructure consists of two concrete abutments. Bridge guardrails consist of steel pipe railings.

The superstructure is in generally good condition. The asphalt wearing surface is deteriorating causing large spalled areas in the concrete in the top slab throughout the entire deck. The underside of the deck has spalls with exposed reinforcing steel typically adjacent to the facia beams. The concrete curbs are cracked at the ends of the bridge adjacent to the embedded rail posts. The pipe railing is bent and distorted in several places. The substructure is generally in fair condition. The abutments and wingwalls have large areas of deteriorated concrete. Approximately 75% of southwest wingwall surface, and 25% of southeast wingwall surface sounds hollow when struck with a hammer, and appears to be severely deteriorating.

Discuss Major Alterations:

There have been no known major alterations.

History:

When Built: 1925

Why Built: Local transportation needs

Who Built: Unknown

Why Altered:

Was this bridge built as part of an organized bridge building campaign: Yes

Surveyor Analysis:

This bridge may have NR significance for association with:

☐ A Events ☐ Person
☒ C Engineering/Architectural

Was this bridge constructed in response to significant events in Maryland or local history:

It is unknown whether this bridge was constructed in response to significant events in Maryland or local history.

When the bridge was built and/or given a major alteration, did it have a significant impact on the growth and development of the area?

It is unknown whether the construction and/or alteration of this bridge has had significant impact on the growth and development of the area.

Is the bridge located in an area which may be eligible for historic designation and would the bridge add to or detract from historic and visual character of the possible district?

No, this bridge is not located in an area which is eligible for historic designation.

Is the bridge a significant example of its type?

This bridge may be a significant example of its type.

Does the bridge retain integrity of the important elements described in the Context Addendum?

This bridge appears to retain integrity of the character defining elements, as defined within the Context Addendum.

Should this bridge be given further study before significance analysis is made and Why?

Further study of this bridge is unnecessary. This bridge is eligible for inclusion on the National Register of Historic Places.

Bibliography:

- Greiner, Inc.
 - 1995 Maryland Inventory of Historic Bridges.
- Montgomery County
 - v.d. County Bridge Inspection Files.
- Spero, P.A.C. & Company, and Louis Berger & Associates
 - 1994 Historic Bridges in Maryland: Historic Bridge Context.
- United States Geological Survey
 - 1970 7.5' Poolesville Quadrangle, photorevised 1978.

Surveyor:

M:12-49

Name: Jason D. Moser **Date:** September 1995
Organization: State Highway Admin. **Telephone:** (410) 321-2213
Address: 2323 West Joppa Road Brooklandville, MD 21022

Maryland Historic Highway Bridges
 Bridge Type Metal Girder
 Map D-9 Barnesville
 County Montgomery
 Bridge # and name M 46/West Harris Rd. over Little Monocacy River

NATURAL MANAGEMENT AREA
 BANNER ROAD
 HOLLOWOOD PARK
 STRONGHOLD
 MOUNT EPHRIAM
 FREDERICK MONTGOMERY
 MONOCACY RIVER
 MONOCACY ELEMENTARY SCHOOL
 BARNESVILLE
 Pop. 170
 DICKERSON
 COMMUTER STATION
 DICKERSON CHURCH RD.
 DICKERSON RECREATION CENTER
 WEST HARRIS ROAD
 OLD HUNDRED ROAD
 BARNESVILLE ROAD
 KILLBUCK LA. TILKIN ROAD
 M:12-49
 857

Maryland Historic Highway Bridges
 Bridge Type Metal Girder
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ACY NATURAL
 MANAGEMENT
 AREA

BANNER ROAD
 HALLOWOOD PARK
 STRONGHOLD
 MOUNT EPHRIAM
 ROAD
 WEST HARRIS ROAD
 MOUNT EPHRIAM ROAD
 MONOCACY RIVER
 BARNESVILLE ROAD
 MONOCACY ROAD
 MOUTH OF EPHRIAM
 DICKERSON CHURCH RD
 DICKERSON CHURCH
 DICKERSON RECREATION CENTER
 DICKERSON
 COMMUTER STATION
 20842
 20838
 109
 BARNESVILLE
 Pop. 170
 COMMUTER STATION
 857
 M: 12-49

COUNTY
 COUNTY

Little Monocacy River



Inventory # M:12-49

Name MHL - WEST HARRIS ROOVER ^{LITTLE MONOCACY}
RIVER

County/State MONTGOMERY /md

Name of Photographer FRANK JULIANO

Date 2/95

Location of Negative SHA

Description APPROACH NORTH

Number 1 of 4
4 of 26



Inventory # M:12-49

Name M46 - WEST HARRIS RD OVER LITTLE MONOCACY RIVER

County/State MONTGOMERY / MD

Name of Photographer FRANK J. J. J. J.

Date 2/95

Location of Negative SHA

Description ELEVATION WEST

Number 2 of 4



Inventory # M112-49

Name M46 - WEST HARRIS RD OVER LITTLE MONOCACY RIVER

County/State MONTGOMERY / MD

Name of Photographer FRANK JULIANO

Date 2/95

Location of Negative SHA

Description APPROACH SOUTH

Number 3 of 4



Inventory # M:12-49

Name M46-WEST HARRIS RD OVER ^{LITTLE} MONOCACY RIVER

County/State Montgomery / md

Name of Photographer FRANK JULIANO

Date 2/95

Location of Negative SHA

Description ELEVATION EAST

Number 4 of 4